



Figure 1

fUSE5 Construct

| | cpIII SIGNAL SEQUENCE |Cry1Ac..... | <u>Junction</u> | cpIII |
|-------------------|--|---|-----------------|-------|
| Cry1Ac(synthetic) | | MDNNPNI...S ₂₇₉ ...I ₄₉₁ ...R ₆₀₅ FEFIPVTATLE stop(uaa) | | |
| | I | (SEQ ID NO:7) | (SEQ ID NO:8) | |
| Cry1Ac-fUSE5 | VKK.....HSADGGPLAM | MDNNPNI...S ₂₇₉ ...F ₄₉₁ ...R ₆₀₅ FEFIPVTNARGSCRASG ₃₀ AETVESCL | | |
| | I | (SEQ ID NO:9) | (SEQ ID NO:10) | |
| Cry1Ac-Kpn-fUSE5 | VKK.....HSADGGPLAM | MDNNPNI...T ₂₇₉ ...F ₄₉₁ ...R ₆₀₅ FEFIPVTNARGSCRASG ₃₀ AETVESCL | | |
| | I | (SEQ ID NO:9) | (SEQ ID NO:10) | |
| WT-fUSE5 | VKKLLFAIPLVVPFYSHSADVAMGWAAAG ₃₀ AETVESCL | | | |
| | | (SEQ ID NO:11) | | |

SurfZap™ Construct

| | PeIB LEADER |Cry1Ac..... | <u>Junction</u> | cpIII |
|-----------|-----------------|--|-----------------|----------------|
| Cry1Ac-SZ | AGGLLLLAAQPAMAM | MDNNPNI.....R ₆₀₅ FEFIPVTATLE.....VSNL ₆₅₅ ASGGGGSP ₁₉₈ FVCEYQQGQ | | |
| | I | (SEQ ID NO:12) | (SEQ ID NO:13) | (SEQ ID NO:14) |